Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	09/04/2017 12:26 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124491	-1	1.73	124378	1.66
Blue	F	SSC	125000	124262	-1	3.02	124612	2.83
Blue	E	FITC	23795	22952	-4	2.74	1021	11.03
Blue	D	PE	29673	28978	-3	2.24	1041	10.44
Blue	B	PerCP-Cy5-5	48943	47624	-3	3.70	1371	17.45
Blue	A	PE-Cy7	44112	44574	1	5.37	685	36.63
Red	C	APC	54273	53729	-2	2.76	3093	9.57
Red	A	APC-Cy7	54945	54061	-2	2.73	1122	11.17
Violet	B	V450	15756	14914	-6	3.89	713	9.01
Violet	A	V500	62569	60981	-3	3.68	2706	6.55

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19496	3.96	614	0	N/A	N/A	Pass
Blue	F	SSC	61518	1.71	546	0	N/A	N/A	Pass
Blue	E	FITC	113	40.12	550	0	0.0177	92	Pass
Blue	D	PE	228	30.35	548	2	0.1385	222	Pass
Blue	B	PerCP-Cy5-5	213	48.18	639	0	0.0096	165	Pass
Blue	A	PE-Cy7	73	129.39	698	-1	0.0114	25	Pass
Red	C	APC	362	27.35	600	0	0.0197	24	Pass
Red	A	APC-Cy7	122	41.34	577	-7	0.0056	1739	Pass
Violet	B	V450	86	43.87	472	0	0.0478	2233	Pass
Violet	A	V500	197	25.93	501	2	0.0135	1070	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.45	-30.89	0.89
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	16.90	13.27 - 19.91	N/A	N/A	30.92	31.36	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 13191

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments